a delay line connected to the generator, the delay line having a plurality of taps wherefrom the known code replica is available at different relative phases thereof;

a first demodulator connected to the generator for demodulating one of the received L1 and L2 signals with the single replica of the known code without any substantial delay;

a second demodulator selectably connectable to any one of the taps of the delay line for demodulating the other of the received L1 and L2 signals with a delayed replica of the known code; and

a switch for selectably switching the other of the received L1 and L2 signals for demodulation by the second demodulator, and to switch the one of the received L1 and L2 signals for demodulation by the first demodulator.

16.   (Amended)   A method of processing L1 and L2 spread spectrum signals received from at least one satellite of a global positioning system, wherein each of the signals includes a unique frequency carrier with a known pseudo-random code modulated thereon, comprising the steps of:

locally generating a single replica of the known code;

applying the single replica of the known code to a delay line having a plurality of taps wherefrom the code replica is available at different relative phases thereof;

demodulating one of the received L1 and L2 signals with the single replica of the known code without any substantial delay;

demodulating the other of the received L1 and L2 signals with the generated replica of the known code from one of the taps of the delay line; and

switching the demodulation using the not substantially delayed single replica of the known code to the one of the received L1 and L2 signals and demodulating the other of the received L1 and L2 signals with a generated replica of the known code from one of the taps of the delay line.

REMARKS

After entry of the foregoing amendments claims 8-10 and 16-21 are pending in the application. By the foregoing amendments claims 1-7 and 11-15 have been cancelled without prejudice or disclaimer and claims 8 and 16 have been amended.